## PUNJAB SETTLEMENT OPERATIONS REPORT FOR THE YEAR 1904-05.

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#### REPORT

ON

## SETTLEMENT OPERATIONS

IN THE

## **PUNJAB**

FOR THE YEAR 1904-05.

Published by Authority.



# a h or e:
THE "CIVIL AND MILITARY GAZETTE" PRESS,
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FROM

E. D. MACLAGAN, Esquire,

Offg. Chief Secretary to Government,

Punjab and its Dependencies,

To

THE SENIOR SECRETARY TO THE FINANCIAL COMMISSIONER, PUNIAB.

Dated Lahore, 22nd January 1906.

File No.

Revenue and Agriculture.

Revenue.

SIR,

I AM directed to acknowledge the receipt of your letter No. 955, dated 20th December 1905, conveying the Financial Commissioner's Review of the Settlement Report for the year ending September 1905, and to convey the following remarks of the Lieutenant-Governor.

- 2. Although no settlement was finally closed, the assessment of the Punjab portion of the Dera Ismail Khan District was completed, and satisfactory progress was made in Rawalpindi, Hafizabad, Mianwali and Jhang. The progress of settlement operations in Gurgaon was interrupted by the illness of the Settlement Officer, but His Honour notices with satisfaction that the subordinate staff is now reported to be efficient and under adequate control. Operations have been commenced in Karnal, and orders have been passed for the adoption of fixed boundaries in a large number of estates on the Chenab, Sutlej and Ravi Rivers.
- 3. Sir Charles Rivaz is glad to associate approximately and devotion to his bestowed by Sir Lewis Tupper on Mr. Douie's industry and devotion to his duties and fully appreciates the good work achieved by the officers of the Settlement Department. His Honour also shares the regrets of the Financial Commissioner on the sad death of Captain Crosthwaite, the able Settlement Officer of Dera Ismail Khan.

I have, &c.,

E. D. MACLAGAN,

Offg. Chief Secretary to Government, Punjab.

FROM

#### L. H. LESLIE-JONES, Esquire, Senior Secretary to the Financial Commissioner, Punjab,

Tc

#### A. H. DIACK, Esquire, Chief Secretary to Government, Punjab.

Dated LAHORE, the 29th December 1905.

SIR.

I'am directed to forward a letter from the Settlement Commissioner, No. 4285, dated 18th November 1905, with map in illustration, being the Annual Report on settlement work in the Punjab and North-West Frontier Province for the year ending September 30, 1905. The remarks of the Financial Commissioner will be confined to the Punjab districts.

- 2. No settlement has been finally completed during the year, but so far as the Funjab is concerned, the assessment work of the Dera Ismail Khan settlement was finally disposed of by orders passed on the late Captain Crosthwaite's report on the Vehoa Circle new included in the Sangarh Tahsil of the Dera Ghazi Khan District.
- E. The orders of Government have been passed on the Assessment Report of the Chenab, Jhelum and Joint River Circles in the Jhang District. The Assessment Report of the Kachhi\* Circle, which was reviewed by Mr. Gordon Walker, is at present with Government, and that on the Jhelum-Nahri Circle is in press. Mr. Abbott, who had to undertake the duties of the Director of Land Records in addition to his own for a portion of the hot weather, has worked with his accustomed energy and zeal, and the Financial Commissioner hopes that his settlement operations will be completed in time to enable him to proceed on his well-earned furlough at the beginning of the hot weather. He will have spent nearly eight years in the Jhang District as Deputy Commissioner and Settlement Officer, and has acquired an intimate knowledge of his charge. The Financial Commissioner also agrees with Mr. Done that Lala Ganga Ram deserves credit for his effective disposal of numerous and important partition cases.
- 4. Orders have been passed on the Assessment Report on the Hafizabad-Chenab-Nahri Circle, and the new assessment was introduced with effect from Kharif 1904. Both here and in the Chenab-Nahri Circle of Jhang the Financial Commissioner has, with the concurrence of the Chief Engineer, Irrigation Works, recommended that the assessment should be done through the agency of the Irrigation Department, but the orders of Government have not been received.
- 5. Orders have also been passed on the Assessment Report of the Chenab Circle, while Mr. Gordon Walker's review on the report of the non-canal villages of the Bar is now with Government.\* These villages will ultimately be irrigated by the Upper Chenab Canal.
- 6. Mr. Lall's operations have again been hampered by plague, and the introduction of *kilabandi* has involved delay in attestation which, the Financial Commissioner understands, would not otherwise have occurred.

<sup>\*</sup> Government orders since received.

7. Orders have been passed on the Gujar Khan Assessment Report of the Rawalpindi District, and the reports on the Murree and Kahuta Tahsils are in press. The Financial Commissioner observes that in spite of the employment of two extra Tahsildars there are still considerable arrears of attestation work, but the charge, including as it does six tahsils, is an extremely heavy one, and it is much better that this very important part of the Settlement Officer's duties should be done thoroughly.

Sanction has recently been received to the appointment, for 18 months, of an Assistant Settlement Office: for the purpose of verifying, revising and demarcating the boundaries of the extensive forest areas in Rawalpindi and Attock, and preparing a connected and intelligible account of the whole forest and waste area belonging to Government, which amounts roughly to some 500,000 acres.

- 8. The completion of the settlement operations in the Bhakkar and Leiah Tahsils of Dera Ismail Khan has been entrusted to the Settlement Officer of Mianwah in addition to his ewn original duties. It is not improbable that the extra work thus involved will protract the completion of Pandit Hari Kishen Kaul's settlement to a later date than was anticipated, but Mr. Douic's further report will be awaited.
- 9. Last year Sir Lewis Tupper had occasion to comment somewhat unfavourably on the state of the work in the Gurgaon Settlement. Here too there have been delays in final attestation, but he is very glad to observe that the subordinate staff is now efficient and that the Naib Tahsildars are also able to exercise adequate control. It is a matter for great regret that Mr. Hamilton, whose health broke down under the strain of his exertions, will not have the opportunity of finishing the settlement which he began.
- Mr. Douie has now, to the satisfaction of Government, demonstrated that it was impossible for the Settlement Officer to complete this settlement within the period allotted by the scheme (four years) and the sanction of the Government of India has been accorded to the appointment of an Assistant Settlement Officer, for not more than two years, who will undertake the assessment of one tahsil. It is hoped, therefore, that the settlement will not extend beyond a period of five years, which would have been exceeded had not this assistance been given.
- 10. The Karnal settlement has been started during the year, and Sir Lewis Tupper is glad to see that Mr. Stow's work is approved by the Settlement Commissioner. An attempt was made, with Sir Lewis Tupper's approval, to introduce kilanaudi in the canal tract, but it failed to commend itself to the people without whose co-operation it was impossible to carry out, and was ultimately abandoned. Unlike Gujranwala, where the area in which kilatandi has been done was almost dead flat, the surface of the canal area in Karnal was very uneven, and experience showed that it was impossible to make square fields without interfering with long-standing irrigation ridges, the maintenance of which the circumstances of irrigation rendered essential.

For this settlement also the Government of India has sanctioned the appointment of an Assistant Settlement Officer for the same reasons and for the same period as in Gurgaon. The settlement will still take five years to complete.

- 11. In paras, 10 and 11 of his report Mr. Donie makes some interesting remarks on the causes of and remedies for delay in final attestation. Sir Lewis Tupper has often had cause to notice this prominent defect in recent settlement work, and he has no doubt that the Settlement Commissioner's explanation of the cause is generally true. But the great frequency with which Settlement Officers allow their preliminary work to outstrip all possibility of early attestation makes it very necessary to insist that they must not, as they are so apt to do, go too fast at first. Mr. Donie should continue, as he is no doubt doing, to impress on all new Settlement Officers the necessity for applying the checks he describes.
- 12. The Rohtak settlement has already commenced though it does not all within the scope of the present report.

The decision to defer the settlement of Ambala has had the explicit result, so far as other settlements are concerned, of obviating for the present the difficulty which was noticed last year of providing efficient staff for new settlements, and Sir Lewis Tupper agrees with Mr. Gordon Walker who concluded that it is no longer necessary to adopt any special measures to meet the difficulty which has practically disappeared.

- 13. Mr. Douie's reviews on the reports regarding the enhancement of occupiers' rates on the Bari Doab and Western Jumna Canals are at present under the consideration of the Financial Commissioner. They will be forwarded with his remarks after he has obtained the views of the Chief Engineer, and, in the case of the Western Jumna Canal, of the Commissioner of Delhi.
- 14. Sir Lewis Tupper, I am to say, cordially concurs in Mr. Drie's appreciation of the work done by Settlement Officers during the year. Some of them have already been separately noticed.

A great loss has been sustained in the sad and premature death of Captain Crosthwaite, which is much deplored by the Financial Commissioner. Mr. Douie has controlled the Settlement Department with untiring industry, minute attention to detail, and much ability. Such of his reviews as have come before Sir Lewis Tupper have been wise and very careful and helpful.

I have the honour to be, Sir,

Your most obedient servant,

L. H. LESLIE-JONES,

Senior Secretary to the Finl. Commr., Punjab.

त्यापेष अधन



SETTLEMENT COMMISSIONER'S OFFICE,

Dated Lahore, 18th November 1905.

FROM

THE HON'BLE MR. J. M. DOUIE, C. S.,

Settlement Commissioner, Punjab,

То

#### L. H. LESLIE-JONES, ESQUIRE, C. S.,

Senior Secretary to Financial Commissioner, Punjab.

Sir.

I have the honour to submit my report on settlement work in the Punjab and in the Hazara and Dera Ismail Khan districts of the North-West Frontier Province during the year ending September 1905. Of the seven settlements in progress in the previous year none was finished, and the re-assessment of the Karnal District was started in October 1904.

- The end of the settlement of Jhang is in sight. Two assessment reports were received during the year, one dealing with the somewhat intreate problem of the re-assessment of the riverain circles, the other with the simple matter of the revenue to be imposed on the wells in the Kachchhi. Orders on the former were issued in September. Fortunately it has been possible to retain fixed demands in the Jhelum and Joint River Circles; but in the Chonab Circles they will be largely replaced by annual assessments at crop rates. The last assessment report, that on the Jhelum Nahri Circle, has been written, but has not reached me in print. The other work has been steadily pushed on, and everything seems to be in train for an early completion of the settlement in April next, should it be possible to announce the remaining assessments early in 1906. The cost will little, if at all, exceed the original estimate of Rs. 3,21,000, while the financial gain will be a lakh and-a-half as compared wit Rs. 1,12,000 shown in the forecast. Partitions in this settlement have been very numerous and important in consequence of the immense increase in the value of land due to the introduction of canal irrigation. Great credit is due to the Extern Assistant Settlement Officer, Lala Ganga Ram, for the painstaking care with which this work has been done.
- 3. In Hafizabad the operations were again hampered by the ravages of plague, but have nevertheless been carried on with great vigour and success. The survey was completed, and even in the riverain villages and in the Bar estates still outside the limits of canal irrigation kilubandi was adopted. The Chenab Circle in Hafizabad is much of it very flat and kilabandi is possible there to a larger extent than in most riverain tracts; but I feel doubts as to its necessity. The measurements on the Chenab were built up on a single base

line, which, through the kindness of the officer in charge of No. 18 Survey Party, was subjected to a scientific test. Though the line, as was to be expected, deviated slightly from a straight line, the result was most creditable to the settlement Final attestation is backward, the introduction of kilabandi making it more difficult than elsewhere. For kilabandi involves re-partition to a greater or less extent, and this can only be finished by the naib tahsildar himself. The preparation of the new records of rights has been started and will be finished in the present year. Orders on the assessment report of the Canal-Irrigated Tract were received last November and the new demand was introduced from kharif 1904. The revenue in 1902-03 was Rs. 2,53,000 and the new assessment, nearly all of which is fluctuating, amounts to Rs. 5,11,000 on the average matured areas of the three years ending 1902-03. The actual demand for the first year has, however, been Rs. 4,78,000. The Irrigation Officers are reducing the supply in many of the villages and the kharif and rabi of 1904-05 were inferior harvests. The Chenab Circle Report and that on the Bar villages, which are not canal-irrigated, were submitted, and orders on the former were received during the year. The demand will be slightly reduced, and in most villages it will be of a fluctuating character.

In Rawalpindi survey work was finished in the first half of the year. Two extra tahsildars have been employed to cope with the heavy arrears of final attestation work to which I alluded in my last report. There has been no scamping, and even now one-third of the village records have not been passed by the tahsildars. During the year 115 of the new records-of-rights were drawn up, and the Extra Assistant Commissioner, Fakir Sayyid Iftikkar-ud-din, has checked the village administration papers of 448 villages. The work of preparing the final records of the remaining estates will be the chief work on which the patwaris will be engaged during 1905-06. The Gujar Khan Assessment Report was submitted during the year and orders were received soon after its close. The increase of revenue which will actually be taken is Rs. 34,000, which is at the rate of 15 per cent. This is less by Rs. 11,000 than the forecast, but there is little doubt that the estimate for four at least of the six tahsils included in the settlement was a sanguine one. There is no probability of the total enhancement exceeding a lakh and-a-half, while the amount expected was Rs. 1,89,000. The expenditure will be somewhat larger than was anticipated, and as was foreseen last year the settlement cannot be finished till March 1907. The charge is a very heavy one and arrangements are being made to give Mr. Kitchin special त्रक्षांव अधन assistance for forest work.

In Mianwali, where re-measurement on the square system is the rule, the area surveyed was \$32,000 acres. or more than double that of the pre-The remaining area is huge, but no doubt the greater part of it is vious year. Thal waste. The Settlement Officer hopes to complete his survey before next hot The boundaries of the villages on the Indus had become confused and uncertain and the relaying of them has been a difficult task. Partition work has been very heavy in amount and by no means easy in kind. Orders have recently been passed on the preliminary report dealing with assessment circles and prices. The Bhakkar and Leia tabsils have now been added to Pandit Hari Kishen Kaul's charge, and, though all assessment work there has long been finished, there is a good deal still to be done before their settlement can be considered complete. The Settlement Officer now thinks that the settlement will last till September 1907, though the reduction of the establishment will begin a year earlier.

6. In Gurgaon the work of re-survey, or rather correction of existing maps, has made good progress. According to Statement I the maps of 937 out of 1,263 estates have now been completed. Out of the total 564 are shown as done in 1903-04, when perhaps the outturn was too large for the first year of settlement. In view of the doubts that were expressed last year by the Settlement Officer, Mr. Hamilton, as to the quality of some of the work and of the supervising staff, it is right to quote the following remarks contained in the report for 1904-05:—

"The patwaris had learnt their work by the beginning of the period under report, and no ground for complaint remains on the score of unusual inaccuracy....... The

nefficient patwaris and kanungos with whom the work began in 1903 have either been trained to efficiency or have been weeded out. The naib tabsildars, many of whom were new to their work when settlement began, have learnt their work, and have been able to exercise a much more efficient control over their subordinate staff."

Mr. Hamilton had a very high standard, and I fear the illness which compelled him to take furlough was due in part to overwork in straining after it. The path of his successor will be smoother, and, fortunately, Mr. Gibson has some knowledge of the district, having been employed as Mr. Hamilton's assistant in the cold weather of 1904-05. Of course the change of Settlement Officer must delay work, and I have told Mr. Gibson that he can only attempt to inspect and report on the assessment of one tahsil during the present year. The settlement cannot be finished at the earliest before March 1908, and that will only be possible by allowing the Assistant Settlement Officer, who is now to be posted to the district for a period of 18 months or two years, to assess one tahsil. Here, too, final attestation has lagged far behind. Prompt measures were taken to cope with the evil by posting two extra tahsildars to Gurgaon, but one of them proved a failure. The continuance of these two special appointments has recently been sanctioned.

- 7. In the Karnal Settlement an excellent start has been made. In the Karnal pargana and in the south of Kaithal, where sweeping changes have followed on the extension of canal irrigation, re-m-asurement is being carried out. Elsewhere correction of existing maps is the rule, and, as will be shown later, the work is extremely simple, 367 estates covering an area of nearly 4 lakhs of acros have been finished, and a good deal more would have been done but for an attempt to introduce kilabandi into the canal tract. I am responsible for the making of this experiment. Mr. Stow, after a full trial, gave good reasons for giving it up, but it is not, I think, a matter of regret that the attempt was made. Final attestation is already much in arrears, and two extra tabsildars have now been posted to the settlement.
- 8. I sent in April to the Revenue Commissioner of the North-West Dera Ismail Khan.

  Brontier Province the Daman Assessment report of the Dera Ismail Khan district, and the last written by the late Captain Crosthwaite, who died when the end of the task on which he had spent so much strength and energy was in sight. The orders of the Chief Commissioner were passed before Captain Crosthwaite's death. His Secretary wrote: "The present orders dispose of the re-assessment of the Dera Ismail Khan district, and the Chief Commissioner fully concurs in your estimate of the value of the work now completed by Captain Crosthwaite....... (He) has had to construct a completely new rovenue system, he has managed the irrigation arrangements with conspicuous success, and the patience and ability with which he has carried out the Gandapur partition have been separately acknowledged by the Chief Commissioner." The report included proposals for the re-assessment of 19 estates in the Sangarh tahsil of Dera Ghazi Khan, and orders were passed on these by the Punjab Government in September. The settlement of the portion of the charge included in the North-West Frontier Province will be wound up by Mr. Bolton under the direct orders of the Revenue Commissioner of the North-West Frontier Province.
- 9. In Hazara measurements were finished early in the year, but the completion of the papers by the patwaris has occupied a long time, and the arrears of final attestation work are still large. Two extra tah-ildars have been employed. The assessments of the Haripur and Manschra tahsils have been given out. The enhancement is very large, amounting to Rs. 1,50,00%, equivalent to a rise of 68 per cent. The distribution over holdings has been a very difficult and complex business owing to the nature of the agriculture and the necessity of fixing anew the rents to be paid by the very unmerous occupancy tenants. The last assessment report which relates to the Abbottabad tabsil has been written, but has not reached me in print. It is now expected that the settlement will be finished in October 1906. It will have lasted much longer and cost twice as much as was originally estimated; but considering the character of the previous

maps and records, and the nature of the country which made village inspection and assessment a very arduous task, the original forecast was an impossible one. In many respects the present operations in Hazara are more like a first regular settlement than an ordinary re-assessment and revision of records. The total enhancement will exceed two lakks, and the cost of the settlement will be recovered in a little over three years.

10. I have had to notice in the present report as in that of last year the failure of final attestation to keep pace with the patwaris' work. It is very unsatisfactory that a year, and sometimes much more, should elapse between the completion of a village record-of-rights in the field and the tahsildar's final inspection. The trouble has arisen because we have reached a stage in many districts when correction of maps can be the rule and re-measurement the exception. In the last districts in which triangulation was the basis of the survey, the measurements seem to have been extremely accurate, and the first district in which the survey was based on squares has now come under re-assessment. Survey work, therefore, occupies much less time than formerly. How simple it may be where population and cultivation have been nearly stationary, may be gathered from some remarks made by Mr. Stow, the Settlement Officer of Karnal:—

"Where correction of maps is being done the work proceeds rapidly. Indeed in parts of Thanesar, the Khadir, and the Bangar, and the Bet Markanda Circles, it might have been possible to accept the maps of last settlement with the correction of the quadrennial attestation. The same remark applies to the Bangar and Khadir of Indri, many villages of Panipat, and those of the Andarwar Circle in Kaithal".

The map is not the most important part of the record-of-rights, and the scrutiny of the entries in the *khataunis*, which is the main business of an attesting officer, has to be done with as much care as before. There is a tendency, which should be severely repressed, to trust too much to the final attestation and neglect or scamp the regular check on the patwaris' work while it is proceeding. Naib tahsildars sometimes write long notes, three-fourths of which merely represent the result of a paper check made by their *Muharrirs*. Mr. Kitchin truly writes:—

"It is hardly possible to waste time in patient enquiry on the spot into the complaints of zamindars and in endeavours to make them understand entries in the papers which concern them. It is, however, very easy to waste time in quibbling objections to the form of work, of which the matter is unobjectionable, and in making alterations without making improvements. The less experienced and less industrious an officer is, the more likely is he to waste time in this way."

- 11. The remedies to be applied are—
  - ("") to avoid pushing on the correction of maps too rapidly. Of course the full tale of work should be exacted from the district patwaris, but where re-measurement is the exception, many settlement patwaris, paid from the grant for temporary establishment, should not be employed. A prudent restriction of the kind mentioned above need involve no delay in assessment work:
  - (b) the check of work in the field at regular intervals by kanungos and the supervising staff, and the speedy correction of all errors detected should be insisted on. I have come across some very surprising cases of irregularity in inspection;
  - (c) the actual work of final attestation should be confined to what Mr. Kitchin rightly describes as necessary.
- 12. Forecast reports for Rohtak and Ambala were submitted during the year. The re-assessment of the former district was sanctioned, but that of Ambala has been deferred for five years. I have sent in my reviews of Mr. Hamilton's report on the revision of occupiers'-rates on the Bari Doab Canal and of the similar report, drawn up by Pandit Hari Kishn Kaul for the Western Jamna Canal. Orders have been passed on reports by Messrs. Abbott, Townsend, Talbot, and deMontmorency as to the laying down of fixed

boundaries on parts of the Chenab, Sutlej, and Ravi rivers. Mr. Dunnett has reported on 137 estates on the Sutlej, and I have recently forwarded his proposals for the Financial Commissioner's approval. The Government of the United Provinces felt unable to assent to the substitution of fixed for fluctuating boundaries on the Jamna. The relaying of village boundaries, which was rendered possible by the passing of Punjab Act No. I of 1899, has now been all but finished, and a fruitful source of vexations and interminable disputes has been removed.

13. I think it may be said that the year has been marked by steady progress. All the Settlement Officers have deserved the thanks of the Financial Commissioner and of Government. One of them, after a brief but strenuous life, has passed beyond the sphere of human praise.

I have, &c.,
J. M. DOUIE,

Settlement Commissioner, Punjab.



STATEMENT No. 111.

Duration and cost of Settlement Operations.

| 13 | FRONTIRE                          | Свеир Тотег   | :   | :                                       | :                      | :  | :   | 4,02,435                                | 155   | 1,032,456        | 2,229,236                | 36,08,182  | 32,34,442   |
|----|-----------------------------------|---|---|---|------------------------|--|---|---|---|------------------|--------------------------|--|---|
| 12 | THE NORTH-WEST FRONTIER PROVINCE. | Total Morth-West.<br>Frontier Province.                                       |   | :                                       | :                      | •  | į   | :                                       | :   | 1,79,425         | 9,00,039                 | 9,76,386   | 6,56,692  |
| 11 |                                   | Hazarb.   | Octr. 1900                                    | 1901 Decr. 1904                         | 1902 June 1906         | 1905 Feby. 1906                          | 1905 Octr. 1906   |   | :   | 1,42,683         | 605,014                  | 0,78,386   | 2,96,676  |
| 10 | DISTRICTS OF                      | *.nsdX liamal eroU  | Octr. 1898                                    | Decr. 1901                              | Decr. 1902             | Augt. 1905                               | Decr. 1905  | :                                       | :   | 36,742           | 2,95,025                 | 2,98,000   | 3,60,018  |
| 6  |                                   | Total Panjab districts.   |   | :                                       | :                      | :  | :   | 4,02,435                                | 155   | 8,53,031         | 1,329,197                | 2,631,796  | 25,77,750   |
| 8  |                                   | Катпа).   | Detr. 1904                                    | Decr. 1907                              | Decr. 1908             | Decr. 1908                               | Decr. 1909  | 1,29,415                                | 212   | 1,29,415         | 120,415                  | 7,46,040   | 7,90,224  |
| 2  |                                   | Gurgaon,  | 1903 Octr. 1903 Octr.                         | March 1905 March 1906 Sept., 1906 Decr. | 1906 Feby, 1907 Decr.  | 1906 March 1907 April 1908 Decr.         | March 1908  | 1,03,718                                | 144   | 1,32,127         | 232,385                  | 5,75,756   | 5,75,756  |
| 9  | THE PUNJAB                        | Inwand band leakhol take blian-<br>taheila of the blian-<br>take bliand ilaw. |   | March 1906                              |                        | March 1907                               | Octr. 1907  | 61,822                                  | 119   | 61,522           | 111,083                  | 2,00,000   | 1,98,248  |
| ıa | DISTRICTS OF                      | dbaiqlawsk  | Octr. 1902 Octr.                              | March 1905                              | Decr. 1906 Octr.       | Decr. 1906                               | Karch 1907  | 39,741                                  | 93  | 1,27,983         | 373,224                  | 5,40,000   | 5,12,012  |
| 4  | ij                                | .badashaH   | June 1902                                     |   | 1904 Septr. 1906 Decr. | eby. 1906                                | March 1906 Septr. 1906 March 1907 Octr. 1907 March 1908 Decr. | 41,248                                  | 133   | 60,555           | 179,774                  | 2,40,000   | 1,84,966  |
| no |                                   | Juang.  | r. 1903                                       | Novr, 1904                              |                        | March 1906                               | March 1906  | 23,491                                  | 2,645   | 71,129           | 303,316                  | 3,30,000   | 3,21,544  |
| ci |                                   | Bhakkar and Leiah<br>tahala of the Misan-<br>wali District (a).               | Octr. 1898 Oct                                | Jane 1802 No.                           | Decr. 1902 Decr.       | Septr. 1905 March 1906 Feby. 1906 Decr.  | :   | :                                       | :   | :                | :                        | ;  | :   |
|    |                                   |   |   |   |                        |  | :   | Rs.                                     | 2   | Rs.              |                          |  |   |
|    |                                   |   | :   | :                                       | :                      | :  | :   | :                                       | rred  | :                |                          | opera  | teport  |
|    |                                   |   | :   | :                                       | :                      | :  | •   |   | •meaនា  | :                |                          | wbole  | ecast I   |
|    |                                   |   |   |   |                        |  | ations  | :                                       | mile re   |                  |                          | or the   | nent.<br>the For  |
|    |                                   |   | nenced  | ents                                    | of reco                | ment                                     | ıt Oper   |   | едпаге  | e year           | ate                      | aated f  | settle<br>ted in  |
| 1  |                                   |   | s comr  | Measurements                            | Revision of records    | Re-аязеняшеп <b>t</b>                    | Settlement Operations   | tal cost                                | Cost per equare mile re-measured  | (Daring the year | Total to date            | Now estimated for the whole opera-                 | tions of settlement.<br>As estimated in the Forecast Report |
|    |                                   |   | eration                                       | / We                                    |                        | ~  | -Se   | 1. (To                                  | . —   | Ğ                |                          | ·~~  |   |
|    |                                   |   | Date on which Settlement Operations commenced | •                                       |                        | PROBABLE OR ACTUAL DAIR OF COMPLETION OF |   | COST OF FIELD SURVEY OFERA- (Total cost | THONE DUCKING THE TEAR, DA-<br>DUCTING EXPENDITURE ON<br>ORDINARY DISTRICT STAFF. |                  | TOTAL COST OF SETTLEMENT | OPERATIONS, DEDUCTING EX-<br>PENOITURE ON ORDINARY | DISTRICT STAFF.   |
|    |                                   |   | Date of                                       |   | 5                      | PROBAT<br>COMP.                          |   | COST O                                  | DUCT  |                  | ToTAL                    | OPRB<br>PENO                                       | Dist  |

(a) Inclades figures relating to 32 villages of Sangarh Tahail, Dera Gari Khan District.

The total cost has been roughly distributed between the part of the old Dera Ismail Khan District now in the Punjab and that in the North-West Frontier Province.



# STATEMENT No. I.

Showing progress made in re-measurement and attestation during the year ending 30th September 1905.

| 13 | BONTIER                           | Сваир Тотаг,  | 7,390                                     | 17,529,791                         | 12,694,031         | 1,660,483                   | 14,354,514    | 4,691                 | 1,210             | 5,901         | 2,787                                   | 1,249  | 3,996         |
|----|-----------------------------------|---|---|------------------------------------|--------------------|-----------------------------|---------------|-----------------------|-------------------|---------------|---|--|---------------|
| 12 | THE NORTH-WEST FRONTIER PROVINCE. | Total North-West  | 1,360                                     | 3,775,467                          | 3,775,467          | i                           | 3,775,467     | 1,291                 | 69                | 1,360         | 861                                     | 286  | 1,147         |
| =  | OF                                | Hazara, October 1900.   | 906                                       | 1,561,381                          | 1,531,381          |                             | 1,561,331     | 831                   | 69                | 900           | 401                                     | 280  | 480           |
| oı | DISTRICTS                         | Dera Tamail Khan,<br>October 1898.  | 460                                       | 2,214,086                          | 2,214,086          | :                           | 2,214,086     | 400                   | :                 | 460           | 460                                     | :  | 400           |
| c  |                                   | refortish districts.  | 0,60,8                                    | 18,754,824                         | 8,018,564          | 1,660,483                   | 10,570,047    | 3,400                 | 1,141             | 4,541         | 1,926                                   | 963  | 2,840         |
| æ  |                                   | Karral, October 1904.   | 1,436                                     | 2,913,761                          | :                  | 390,250                     | 890,250       | :                     | 298               | 208           | :                                       | 49   | 159           |
| 7  | an an                             | Gargaon, Octobor<br>1903,   | 1,263                                     | 1,211,644                          | 811,108            | 461,079                     | 852,197       | 199                   | 373               | 937           | 158                                     | 171  | 327           |
| 9  | THE PUNJAB.                       | Minwali and Isakhol<br>Listrict, October<br>1903,                         | 116                                       | 1,380,207                          | 151,513            | 332,251                     | 483,764       | က                     | 26                | 63            | 1                                       | භ  | 4             |
| 5  | DISTRICTS OF                      | Rawalpitadi, Oolober<br>1902.   | 1,509                                     | 2,823,616                          | 2,306,710          | 257,991                     | 2.564,701     | 1,335                 | 174               | 1,509         | 440                                     | 503  | 1,038         |
| 4  | Ū                                 | .20ef eant, badazdæll   | 13.3<br>13.1                              | 156'589                            | 671,753            | 213,223                     | 584,981       | 345                   | 180               | 789           | 215                                     | 7.8  | 253*          |
| က  |                                   | John R, October 1901,   | ्र<br>स्ट                                 | 1,552,859                          | 1,540,244          | 5,654                       | 1,545,928     | ,780°                 | 13                | 793           | 7.11                                    | 46   | 181           |
| c4 |                                   | Ahakkar and Lioiah tahah tahaila of the Mian-<br>rahi District (a), 1808. | 373                                       | 3,857,226                          | 3,857,226          | :                           | 3,857,226     | 373                   | :                 | 373           | 373                                     | :  | 373           |
|    |                                   |   | :   | :                                  | :                  | :                           | :             | :                     | ŧ                 | :             | i                                       | •  | į             |
|    |                                   |   | 3   | :                                  | :                  | :                           | Ξ             | :                     | Ξ                 | E             | ÷                                       | :  | :             |
|    |                                   |   | :   | <b>:</b> ,                         | :                  | :                           | Total to date | :                     | :                 | o date        | :                                       | :  | date          |
|    |                                   |   | ement                                     | , acres                            | :                  | :                           | Total         | :                     | Ξ                 | Total to date | :                                       | ;  | Total to date |
| 1  |                                   |   | Total number of villages under settlement | Total area under settlement, acres | (In previous years | During the year             | _             | In previous years     | . During the year | _             | (In previous years                      | During the year                              | _ 1           |
|    |                                   |   | Total numbe                               | Total                              |                    | RA RE-MEASORED IN<br>ACRES. |               | Transfer and services |                   | *****         | VILLAGES OF WHICH THE IN Provious years | RECORDS HAVE BEEN COM.<br>PLETED AND FINALLY | •             |

(a). Includes figures relating to 82 villages of Sangarh Tahsil, Dera Ghazi Khan District.

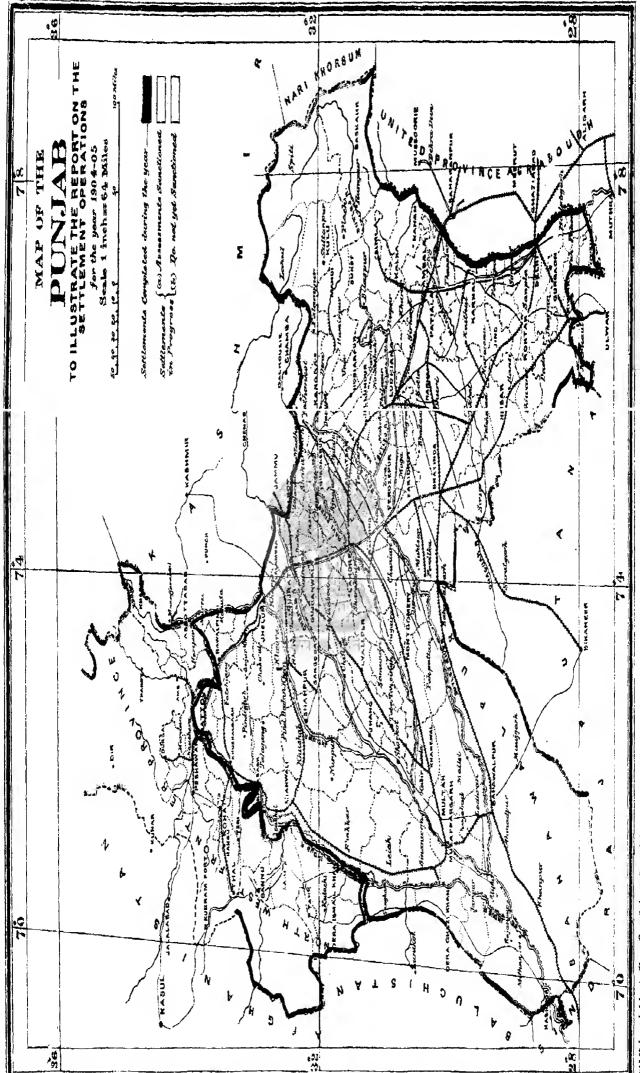
\* Difference due to the fact that records of 40 villages had to be re-done owing to the kishtwar area having been allotted after the final attestation in some of the villages.

STATEMENT No. II.

Showing progress made in re-measurement during the year ending 30th September 1905.

(a) Includes ignres relating to 32 villages of Sangarh Tabsil, Dera Ghazi Khan District.
(b) The figures under "assessments sanctioned during the year" include the results in the two circles for which the new demand was actually announced.

(b) The figures of Rs. 2,55,579 under "Resalts of Resalts of Resalts of Resalts of Rs. 2,55,579 under "Resalts of Resalts of Resalts



the Mahamad Islamia Stomm Press Lethore Deer 1905.

## PUNJAB SETTLEMENT OPERATIONS REPORT FOR 1905-06.

#### REPORT

ON

### SETTLEMENT OPERATIONS

IN THE

## **PUNJAB**

FOR THE YEAR 1905-06.

Published by Authority.



#### Labore:

THE "CIVIL AND MILITARY GAZETTE" PRESS,

Sole Contractors for Printing to the Funjah Givernment.

1906.

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#### REPORT

ON

## SETTLEMENT OPERATIONS.

IN THE

## **PUNJAB**

FOR THE YEAR 1905-06.

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1907.

#### No. 25 (Revenue—Revenue).

FROM

A. B. KETTLEWELL, ESQUIRE,

Offg. Chief Secretary to Government,

Punjab and its Dependencies,

To

THE SENIOR SECRETARY TO THE FINANCIAL COMMISSIONER, PUNJAB.

Dated Lahore, 31st January 1907.

Revenue & Agriculture.

Revenue.

SIR,

I AM directed to acknowledge the receipt of your letter No. 950, dated 20th December 1906, with which you forwarded the annual report on the settlement operations for the year ending September 30th, 1906, and in reply to convey the following remarks of the Lieutenant-Governor.

- 2. As Mr. Douie points out, the year has been devoid of any unusual features. The settlement of Jhang has been completed; the work of reassessment in Sangarh has been concluded, and the new assessments have been sanctioned in Rawalpindi, part of Mianwali and Hafizabad. Progress has been made in the settlements of Karnal, Rohtak and Delhi, but the Settlement Commissioner's remarks tend to show that experience has not borne out the anticipations of Government, that settlement operations can ordinarily be finished in four years.
- 3. The Settlement Commissioner has made a valuable contribution to assessment literature in his exhaustive criticism of the proposals to revise the occupiers' rates on the Bari Doab and Western Jumna canals. Sir Charles Rivaz takes this opportunity of conveying his thanks to Mr. Douie for the industry and care which have throughout characterized his control of the Settlement Department, and for the ability he has displayed in dealing with assessment proposals.

I have, &c.,

A. B. KETTLEWELL,

Offg. Chief Secretary to Government, Punjab.

Financial Commissioner's Office: Lahore, dated 20th December 1906.

FROM

#### L. H. LESLIE JONES, ESQUIRE,

Senior Secretary to Financial Commissioner, Punjab.

 $T_{\rm O}$ 

### A. B. KETTLEWELL, ESQUIRE, Chief Secretary to Government, Punjab.

Sir,

I am directed to forward a letter from the Settlement Commissioner No. 5186, dated 22nd November 1906, (with a map in illustration) being the Annual Report on Settlement work in the Punjab and North-West Frontier Province for the year ending September 30th, 1906. As usual the Financial Commissioner's remarks will be confined to the Punjab Districts.

- 2. Of the seven large settlements in progress that of Jhang only has been completed. The anticipation that the Hafizabad-Khangah Dogran settlement would be finished in 3½ years has not been realized. The first estimate was no doubt sanguine, but Mr. Lall has also had to undertake a good deal of work which was not included in his original programme. The sanction of the Government of India has very recently been accorded to the extension of Mr. Lall's appointment up to the end of October 1906, but the Financial Commissioner understands that Mr. Lall now estimates that his settlement work will not be completely finished until December 1906. Mr. Douie himself, in order to be on the safe side, puts March 1907 as the date of the close of the settlement. The Financial Commissioner understands that the explanation of these discrepancies is to be found in the fact that the Settlement Officer, who has been deputed for special duty in connection with the rectangular survey of the area to be commanded by the Upper Chenab Canal, is, concurrently with that duty, also doing some work connected with the winding up of his settlement. The matter is now under inquiry.
- 3. The proposal, referred to in paragraph 4 of the Financial Commissioner's last review, that assessment in Canal Chaks in both Jhang and Hafizabad should be done through the agency of the Irrigation Department has been sanctioned by Government, and the orders then passed were subsequently extended by the Financial Commissioner to the proprietary estates in the Sharakpur Tabsil of the Lahore District, where similar conditions prevail.
- 4. The Rawalpindi settlement is now drawing to a close. Orders have been passed on all the assessment reports, the total assessment sanctioned being Rs. 9,94,052, against Rs. 9,61,500 proposed by the Settlement Officer, Mr. Kitchin. The Financial Commissioner is quite satisfied that the work of this large settlement which is now timed to last till September 1907, or a full period of five years, has been conducted with all reasonable despatch, and he agrees with Mr. Douie in thinking that a duration of four years only was impossible. He has also much pleasure in recording his appreciation of Mr. Kitchin's work which has throughout been characterised by good sense, zeal and thoroughness.
- 5. As regards the Gurgaon settlement I am to invite attention to the remarks made in paragraph 9 of the Financial Commissioner's review for 1904-05. From Mr. Douic's present remarks it is evident that there has been some further avoidable delay in attestation in two tabsils in spite of the fact that extra patwaris have not been used and special assistance has been given in the shape of two extra Settlement Tahsildars. The Financial Commissioner will ask for a separate report regarding the two Tahsildars to whom the settlement Commissioner refers. His report on the extraordinary delay of Mr. Gibson's assess-

ment report in the press will also be awaited. It is, however, satisfactory to see that Mr. Douie still expects the settlement to be completed in five years.

- 6. The state of work in Mianwali, Rohtak and Karnal hardly requires special comment with this exception that in Mianwali measurement seems to have outrnn attestation. But the Financial Commissioner has no doubt that Mr. Douie will take steps, if necessary, to ensure that this apparent defect is not allowed to involve ultimate delay. Government has applied for sanction to the continuance of the Settlement Officer's appointment up to September 1907.
- 7. The Gurdaspur Forecast Report has been submitted to Government, but orders on it have not yet been received. Mr. Douie's revised programme of settlement operations which is at present under consideration, is beyond the scope of this review. His repeated assurance that the difficulty of providing sufficient establishment for new settlements will not recur is satisfactory.
- 8. The Financial Commissioner is consulting the Chief Engineer, Irrigation Works, on the Settlement Commissioner's proposals for the assimilation of the occupiers' rates levied in old and new estates on the Lower Chenab Canal and for their differentiation in good and poor estates. This case he hopes to submit to Government with his own recommendations at an early date, as the Colonization Officer is already engaged in the re-assessment of that portion of the Jhang Branch of the canal where a revised assessment can be introduced from Kharif 1907.
- 9. The case regarding the enhancement of occupiers' rates on the Bari Doab Canal (referred to in paragraph 13 of last year's review) has been disposed of during the year, and revised rates have been notified which are expected to yield an increase of Rs. 5,62,292 per annum. The Financial Commissioner's recommendations regarding the proposed enhancement of the Western Jumna Canal rates are at present with Government. The Agra Canal rates in Delhi and Gurgaon have been altered to meet the revised rates recently sanctioned by the Government of the United Provinces, and the Financial Commissioner is now submitting proposals for a further slight revision with the object of making them applicable to the recognised local unit of area.
- 10. Reference has already been made to the survey on the Upper Chenab Canal, where rectangles are being adopted in place of squares because the former are divisible into "kilas" of even acres. Mr. Douie has mentioned the main objects of this survey, but Mr. Lall will also report on the suitability of the commanded tract for canal irrigation and the extent to which kilabandi is possible. The Financial Commissioner has much pleasure in acknowledging Captain Tandy's assistance in connection with this scheme.
- 11. The Settlement Commissioner's appreciation of the work done by Settlement and Extra Assistant Settlement Officers has Mr. Gordon Walker's hearty concurrence. In Lala Ganga Ram, who was employed at Jhang until the close of the settlement, Government have lost a very useful officer.
- 12. Mr. Douie has controlled his department with his usual care and ability, and apart from his excellent reviews Mr. Gordon Walker is indebted to him for much valuable advice.

I have, &c.,

L. H. LESLIE JONES,

Senior Secretary to Financial Commissioner, Punjab.

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SETTLEMENT COMMISSIONER'S OFFICE,

Dated LAHORE, 22nd November 1906.

**F**ком

THE HON'BLE MR. J. M. DOUIE, C.S.I.,

Settlement Commissioner, Punjab,

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#### L. H. LESLIE JONES, ESQUIRE,

Senior Secretary to the Financial Commissioner, Punjab.

SIR,

I have the honour to submit my report on settlement work during the year ending in September 1906. Without counting the completion of re-assessment work in a small part of the Sangarh Tahsil of Dera Ghazi Khan seven districts in the Punjab have been under settlement. I have also had charge of the settlement of Hazara in the North-West Frontier Province. The history of the year has been devoid of any unusual features, and a brief record of the progress made in each settlement will suffice.

- 2. Mr. Abbott finished his work in Jhang. The orders of Government on his Kachhi assessment report were issued in December 1905 and those on the Jhelum Nahri report in the following April. So ended an arduous task in which Mr. Abbott had not spared himself. Possessed of a thorough knowledge of the people of Jhang born of long acquaintance and a great natural power of sympathy he was not only their Sottlement Officer but also their advocate. The Extra Assistant Settlement Officer, Lala Ganga Ram, retired at the end of the settlement. In him Government has lost a very bonest and hard-working officer.
- When the Hafizabad settlement was started it was supposed that the work could be finished in three Hafizabad. years. Through no fault of the Settlement Officer this has proved impossible. The work will last for quite 42 years, and to be on the safe side I have put the date of its close as March 1907. Each year plague has hampered the operations, but apart from this the estimate was too sanguine, considering that the difficult work of kilabandi has been carried out in the large canal tract. Mr. Lall has also had to undertake work in Sharakpur and Wazirabad lying outside the original programme, and he is now, in addition to winding up his settlement, making a rectangular survey of the tract commanded by the Upper Chenab Canal. The cost of the settlement is put at Rs. 2,54,000, which is a good deal in excess of the first estimate. Even so, few settlements can have been so profitable to Government, notwithstanding the relief given to the depressed tract bordering on the Chenab. The new assessments are almost wholly fluctuating. According to the figures given in the assessment reports the average demand should slightly exceed six lakhs, which would mean a financial gain of 21 lakhs yearly. I do not think this will actually be realized, for the policy of the Irrigation Department aims rather at restricting than increasing irrigation in Gujranwala. In the past year tho demand did not reach five lakhs, but a large part of the deficiency was due to the almost total failure of the cotton crop on the Chenab Canal. Measurements were

practically over at the end of 1904-05, but the final attestation of the new records was in a very backward state. This was pushed on vigorously during the year and was nearly finished at its close. The new records of rights are being prepared and they should all be filed by March next. The copying of maps, etc., for the use of the Canal Department has been a heavy addition to the work of the patwaris. The assessment, which has been marked by care and ability, is finished, and the rates in the Chenab Circle and the non-canal estates of the Bar Circle were given out in time to permit of the new fluctuating demand there being introduced from the Kharif of 1905.

- Mr. Kitchin has throughout conducted the important settlement of Rawalpindi with energy and efficiency. The re-assessment has been carried out promptly and the minor tasks allotted to a settlement officer, which are apt to be postponed and in the end done in a hurry, have been taken in hand at the proper time, and everything is in train for the smooth winding up of the operations. The establishment will soon be reduced, and Mr. Kitchin should himself be able to leave next April. But a small staff should be kept on through the summer months, and the Assistant Settlement Officer, Mr. Dunnett can then be put in charge. He will write the two gazetteers of Attock and Rawalpindi. The final attestation has been finished, and the patwaris are now engaged in drawing up the new records of rights. Three assessment reports were reviewed during the year, and orders were passed on that of tahsil Rawalpindi. Those on the Murree-Kahuta report were issued on the 1st of October and I understand that the Fatehjang-Pindigheb report has also been disposed of. The increase of revenue in the four tahsils of the Rawalpindi District will be Rs. 1,32,000 or at the rate of about 25 per cent. Mr. Kitchin has put the total enhancement including the two tahsils of the Attock District at Rs. 1,57,000, but it will probably be a good deal larger. When finished the settlement will have lasted about five years and cost Rs. 5,81,000. The original estimate was for a four years' settlement to cost Rs. 5,12,000. But experience seems to me to prove that the completion of such a Settlement as Rawalpindi in four years is impossible. An important enquiry into forest matters has been a heavy addition to the work.
- 5. Steady and satisfactory progress has been made in Mianwali. The staff is a good one, and it has had to work hard in a rough country. The number of estates is small, but the areas are in many cases enormous. Where possible new estates have been carved out, and the number is now shown as 180 as compared with 116 last year. Measurements have been finished, but final attestation still remains to be done in more than half the villages. The partition work is heavy and complicated, and I believe it is being done carefully and thoroughly by the Extra Assistant Settlement Officer, Khan Sultan Ahmad. There will be a single assessment report for the two tahsils. It has been written but will not reach me in print for some time. As a preparation for dealing with it I am now making a tour in the district.
- The settlement of Gurgaon began three years ago and will last for two years longer. Its completion within five years has only become possible through the appointment of Mr. Boughey as Assistant Settlement Officer. He will assess one of the five tabsils under Mr, Gibson's supervision. Measurements are now nearly over, the maps of 1,080 out of 1,263 villages having been completed. It is satisfactory to note that in this settlement almost no use has been made of extra patwaris or amins. Though two extra Tahsildars have been at work throughout the year final attestation is still backward. The slow progress of this branch of work in the tabsils of Nuh and Gurgaon is not creditable to the settlement tabsildars. The change of settlement officers due to Mr. Hamilton's illness could not but delay the work of re-assessment. Mr. Gibson submitted his assessment report in the middle of August, but a printed copy has only to-day reached me. Enquiry will be made as to the cause of this inordinate delay. Though the settlement will last a year longer than was originally estimated the cost of  $5\frac{3}{4}$ lakhs entered in the forecast is not likely to be exceeded. This is satisfactory in view of the fact that since this settlement was started Government has made itself responsible for the payment of chainmen, which is a beavy item of expenditure.

- 7. Rawalpindi excepted Karnal is the largest of the settlement charges.

  Mr. Stow has pushed on the survey and record work well, and in this branch of his duties has received much help from the Extra Assistant Settlement Officer, Munshi Hira Singh. Mr. Kennaway joined as Assistant Settlement Officer in the end of March, and has special charge of the Thanesar Tahsil, which he will assess. The area surveyed or included in estates whose maps have been corrected during the year amounted to 1,200 square miles, and the maps of above half the villages in the district have been completed. Two extra tahsildars were employed and the final attestation of 278 estates was effected as compared with 67 in the previous year. I hope to receive the first assessment report in December.
- 8. The settlement of Rohtak began in October 1905, and Mr. Joseph has worked energetically and made a good start. In consequence of prevailing scarcity it was decided not to begin work in the greater part of the Jhajjar Tahsil till August last. The villages are larger than in any district under settlement except Mianwali. There will be a good deal more remeasurement than I at first anticipated. There have been great extensions of canal irrigation, and, where this is the case, it is much better to make new maps. But, even where this reason is absent, the fields are sometimes so small as to make cadastral maps on the scale of 16 inches to the mile used at last settlement very inconvenient. Care is being taken here and in Karnal to make survey numbers in canal villages of a size and shape that will be convenient to the Irrigation Department. The maps of 55 out of 514 villages have been finished during the year. Mr. Joseph has sent in his preliminary report on assessment circles and prices.
- Of all the settlements undertaken in recent years that of Hazara has been the most complicated and difficult. This is true of every branch of the The survey was troublesome from the nature of the country and the imperfections of the existing maps. The records have to a considerable extent had to be made almost de novo. Often the old record had to be practically set aside, and the people agreed to treat present possession as the measure of ownership. assessment itself and its distribution over holdings have been peculiarly difficult. Rents are most complex for the landlords take or claim to take all sorts of dues or habub in addition to the payment which represents the rent or lagan. There is a very large body of cash-paying occupancy tenants, the revision of whose rents and their readjustment in terms of land revenue, cesses, and malikana have had to be provided for by special legislation. This has been a very lengthy task and one demanding much patience and discretion on the part of the settlement officer. Natural disposition and the temptations presented by a bad record of rights have made the people quarrelsome and litigious. The best of records will not cure original sin, but may make its fruits less abundant. The difficulties being so great it is not to be wondered at that the settlement has lasted far longer and cost far more than at first estimated. The increase of revenue has been very large amounting to over two lakes and representing an enhancement of 67 per cent. on the former demand. The orders on the last of the assessment report, that of Abbottabad, were passed during the year, and the new demand was announced and distributed over holdings. A fresh distribution will have to be made in a fow estates. The patwaris are now engaged in preparing the new records of rights. Everything including the writing of the settlement report and the gazetteer should be finished by the end of March 1907.
- 10. Forecast reports for Delhi, Hissar, and Gurdaspur have been sent in during the year, and the settlements of the two former districts were started in October 1906. Want of proper establishment for new settlements, which gave trouble a year or two ago, is no longer felt, and with four settlements shortly coming to an end is not likely to recur. The present programme of settlement operations seems to me to require revision, and I have submitted a new one for the consideration of the Financial Commissioner. A proposal for the assimilation of occupiers' rates in old and new estates on the Lower Chenab Canal and for a differentiation of these rates to a limited extent has been drawn up. A scheme for a rectangular survey of the tract commanded by the new Upper Chenab

Oanal has been sanctioned. This survey will be of use for the drawing up of watercourse schemes, and will supply a permanent skeleton traverse for future field measurements. I am much indebted to Captain M. Tandy, Royal Engineer, for the help he gave in connection with this scheme, when he was in charge of No. 18 Survey Party.

11. Thanks to an excellent staff of Settlement Officers my own work has been free from much anxiety. The Extra Assistant Settlement Officers are without exception capable men.

I have, etc.,
J. M. DOUIE,
Settlement Commissioner, Punjab.



## STATEMENTS.

# STATEMENT No. I.

Showing progress made in re-measurement and attestation during the year ending 30th September 1906,

| <b>=</b> | DISTRICT OF NORTH-<br>WEST FRONTIER PRO-<br>VINCE. | Grand Total.  | 900 7,129                                 | 561,381 12,620,870                 | ,381 8,283,202    | 2,452,832       | ,381 10,735,534 | 900 4,952         | 971             | 900 5,923     | 687 3,163                               | 206 1,692              | 893 4.855     |
|----------|--|---|---|------------------------------------|-------------------|-----------------|-----------------|-------------------|-----------------|---------------|---|------------------------|---------------|
| 10       | DISTR.<br>WEST                                     | Oost redotoo, Oosta                                 |   | 1,361                              | 1.561,381         | •               | 1,561,381       |                   | :               |               |   |                        |               |
| 6<br>—   |  | rotel Panjab Districts.                             | 6,229                                     | 11,059,459                         | 6.721,821         | 2,452,332       | 9,174,153       | 4,052             | 971             | 5,023         | 2,476                                   | 1,486                  | 3,962         |
| œ        |  | Коћ£вk, Остовет 1905.                               | 511                                       | 1,154,164                          | :                 | 128,005         | 128,068         | ŧ                 | rg<br>rg        | ວິລ           | ŧ                                       | 16                     | 16            |
|          |  | Кагпаі, Осtober 1904.                               | 1,436                                     | 2,012,961                          | 390,250           | 765,509         | 1,158,759       | 367               | 405             | 772           | 49                                      | 278                    | 345           |
| 9        | THE PONJAB.  | (fargson, October<br>1903.                          | 1,263                                     | 1,245,153                          | 852,197           | 387,918         | 1,240,115       | 937               | 243             | 1,180         | 327                                     | 388                    | 713           |
| 13       | DISTRICTS OF THE PONJAB,                           | Misnwell and lea<br>Keled tabaile,<br>October 1903, | 081                                       | 1,382,990                          | 483,764           | 899,226         | 1,382,990       | 29                | 151             | 180           | 4                                       | 60                     | E             |
| 4        |  | Réwalpindi, October 1902.                           | 1,509                                     | 2,823,616                          | 2,564,701         | 258,915         | 2,823,616       | 1,509             | *               | 1,509         | 1,038                                   | 124                    | 1,509         |
| ಣ        |  | .S0eI onnt ,bådashaH                                | 188:<br>34:                               | *912'288                           | 884,981           | 2,735           | 887,716         | 418               | 110             | 528           | 253                                     | 254                    | 202           |
| 20       |  | Jang, October 1901.                                 | 799                                       | 1,552,889                          | 1,545,928         | 196'9           | 1,552,889       | 792               | -               | 799           | 787                                     | 12                     | 662           |
| _        |  |   | :   | :                                  | :                 | :               | ;               | :                 | i               | :             | ÷                                       | ;                      | :             |
|          |  |   | :   | :                                  | :                 | ;               | :               | :                 | :               | ŧ             | ÷                                       | :                      | :             |
|          |  |   | Ē   | :                                  | ÷                 | :               | o date          | :                 | :               | ) date        | :                                       | :                      | o dute        |
|          |  |   | ement                                     | acres,                             | :                 | ÷               | Total to date   | :                 | :               | Total to date | :                                       | :                      | Total to dute |
| -        |  |   | Total number of villages under settlement | Total area under settlement, acres | In previous years | During the year | Redia.          | In previous years | During the year | г<br>         | In previous years                       | During the year        |               |
|          |  |   | Total number o                            | Total a                            |                   | HE-NEASURED IN  | ALKE.           |                   | OF WHICH IRE    | PLETED.       | VILLAGES OF WHICH THE IN provious years | RECORDS HAVE BEEN COM- | ATTESTED.     |

\* This is the area by the new survey.

STATEMENT No. II.

Showing progress made in re-measurement during the year ending 30th September 1906.

|                      | 1   | 63                    | <u></u>                   | 4                   | , c  | ຶ້                    | 7                     | 8                     | 6   | 10                    | 11                            |
|----------------------|---|-----------------------|---------------------------|---------------------|--|-----------------------|-----------------------|-----------------------|---|-----------------------|-------------------------------|
|                      |   |                       |                           |                     | DISTRICTE OF T                                     | THE PUNJAB.           |                       |                       |   | DISTRICT OF NORTH-WEI | OF NORTH-WEST<br>ER PROVINCE, |
|                      | -   | Jang, October 1901.   | ount , badashill<br>1902, | Rawalpindi, October | Mikuwáli and Taa Khel<br>Tahaila, October<br>1903. | TodotoO Ootober 1903. | Karnál, October 1904. | Rohtak, October 1905. | Total Punjab Districts.   | Hazára, October 1900. | ататоТ пиая.                  |
|                      | Total area in Acres   | 1,552,889             | 874,487*                  | 2,823,616           | 1,352,990  | 1,245,153             | 2,012,961             | 1,154,164             | 11,046,260  | 1,561,381             | 12,607,641                    |
| AREA UNDER ASSESS.   | Area of which assessments have been sanchoned in Area of which resessments have been sanctioned | 1,061,529             | 759,393                   | 363,325             |  | :                     | :                     | :                     | 2,184,247   | 1,191,976             | 3,376,223                     |
| 3 1 2 3 50           | Area of which assessments have been sail cress Area still to be assessed Acres                  | 491,360               | 115,094                   | 946,381             | 1 382 990  | 1.245.158             | 2 012.961             | 1 154 164             | 1,552,835   | 369,405               | 1,822,240<br>7,309,178        |
| NTB                  | ioned   | 57.125<br>1.03.595    | 39,657                    | 3,21,1914           |  |                       | ;<br>;                |                       | 4,17,973  | 3,05,434              | 7.23,407                      |
| THE YEAR,            | ssessment   | 46,470                | -810                      | 98,3091             |  | :                     | : :                   | : :                   | 1,43,969  | 2,03,566              | 8,47,535                      |
|                      | ages  | 261                   | 691                       | 383                 | 3  | ::                    | ::                    | ::                    | 813   | 359                   | 1,172                         |
| VILLAGES OF WHICH    | 2   | 491,360  <br>2,12,108 | 217,041                   | 363,325             | : :  | : :                   | ::                    | : :                   | 5.57,726  | 369,405               | 1,441,131                     |
| HAS BEEN ANNOUNC.    | Total to date & Potal area  | 799                   | 528                       | 383                 | :  | :                     | :                     | :                     | 1,710   | 900                   | 2,610                         |
| •                    | ( Total new assessment  | 5,32,839              | 6,01,201                  | 2,56,000            | <b>:</b> :   | : :                   |                       | : :                   | 13,90,040   | 5,09,000              | 18,99,040                     |
| ASBEESMENT RE-       | E CE  | काला न                | <u> </u>                  | 4160                | F  | io ,                  | <b>₹</b>              | : : :                 | 22<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>2 | (C) (C) (C)           | 4000                          |
|                      |   | ·<br>·                | <br>:                     | ;                   | ;  | ক                     | 41                    | - <i>-</i> -          | <u>,</u> es   | :                     | g<br>G                        |
| - **                 | increase or decrease of assessment as announced to date   | 1,73,528              | 2,48,602                  | 33,580              | :  | :                     | :                     | :                     | 4,55,710  | 2,03,566              | 6,59,276                      |
| RESERVE OF PRACTICAL | Percentage of increase or decrease Rs.  | 48                    | 2.48.602                  | 1.57.433            | : :  | 1 20,000              | : :                   | : :                   | 6.99.563  | 79 208                | 49                            |
| MENT OFER TIONS.     | obate   major   As estimated in the Forecast Report   | 1,12,000              | 2,25,000                  | 1,89,000            | 000'89   | 1,75,000              | 2,75,000              | 1,50,000              | 11.94.000   | 1.51.000              | 18.45,000                     |
|                      |   |                       |                           |                     |  |                       |                       |                       |   | 2 2 5 6 2 6 6         |                               |

\* Figures of previous settlement.

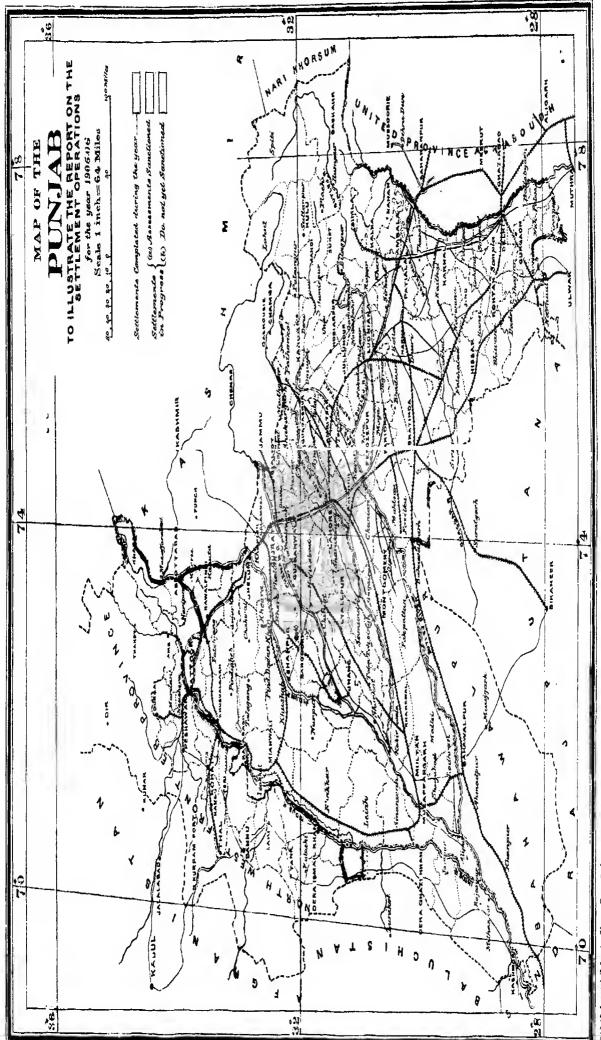
† Includes figures for Murree and Kaluta tabsils on which orders were passed in P. G. No. 2293 S, dated 1st October 1906,

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STATEMENT No. 111.

Duration and cost of Settlement Operations.

| Districts of the Prinal   Districts of the 1901   Districts of the 1902   Districts of the 1902   Districts of the 1903   Districts of the 1904   Districts of the 1905   Districts of the 1906   Districts of the 1906   Districts of the 1906   Districts of the 1906   Districts of the 1907   Di |  |   |          | <b>Ω</b> 1          | 60                  | 4                          | 10                  | 9                        | I~                    | œ                  | G                    | 01  | 11                      |
|--|--|---|----------|---------------------|---------------------|----------------------------|---------------------|--------------------------|-----------------------|--------------------|----------------------|---|-------------------------|
| The content of the  | : : : : : : : : : : : : : : : : : : :      |   |          |                     |                     | ,                          | DISTRICTS OF        | THE PUNIAR.              |                       |                    |                      | DISTRICT OF NORTH-WEST FRONTIER PROVINCE. | NORTH-<br>ONTIER<br>CE. |
|  |  |   |          | ланд. Осторот 1901. | 2081 sant brdszliki | rotodot), (detodor<br>2001 | Khel tahaila, Octo- | TadoloO October<br>1903, | Karnél, October 1904. | 3061 19663-00 1905 | esoiristă Districts. | .00to tanksoli                            | JATOT GRAAL             |
| Revision of records  | Date on which Settlement opera             | :   | i :      | Octr.1901           | June 1902           | Oct. 1902                  | 1                   |                          | Octr. 1904            | Octr. 1905         | . i                  | Octr. 1900                                | :                       |
| Revision of records   Septr. 1906   Augt. 1906   Augt. 1907   Augt.  | J  | ÷   | ;        |                     | igt. 1905           | March 1905                 | June 1906           | A ril 1907               | Decr. 1907            | Novr, 1908         | Ξ.                   | Decr. 1')04                               | :                       |
|  |  |   | :        | Septr. 1900         | Augt, 19, 6         | May 1907                   | March 1907          | April 1908               | Pecr. 1908            | Angt, 1909         | Ē                    | Jany, 1907                                | ÷                       |
| STRYEY OFERA- Total cost Rs. 31,682 42,523 61 12,157 1,82,089 95,967 5,48,890 61 185 152 480 148,890 61 185 152 480 148,890 61 185 152 480 148,890 61 185 152 480 148,890 61 185 152 480 148,890 61 185 152 480 148,890 61 185 152 480 148,890 61 185 152 480 148,890 61 185 152 480 148,890 61 185 152 480 148,890 61 185 152 480 148,890 61 185 152 154,000 15,81,000 15,51,60 15   | PROBABLE OR ACITAL DATE OF S COMPLETION OF | :   | ;        | June 1906           | March 1906          | Deer, 1906                 | Septr. 1907         | Do.                      | Do.                   | Do.                | ŧ                    | Feby, 1908                                | :                       |
| STRYEY OFERA-   Total cost   |  |   | ;        | Do.                 | March 1907          | Septr. 1907                | Do.                 | Septr. 1908              | Octr. 1909            | March 1910         | :                    | March 1907                                | :                       |
| DISTRICT STAFE, Cost per square mile re-measured , 31,082 30,852 1,34,053 85,072 1,42,354 1,82,089 95,967 7,30.    During the year 3,34,398 2,39,626 5,07,277 1,96,166 3,74,739 3,11,504 95,967 20,59, ox Ordinated for the whole opera- , 3,34,398 2,54,006 5,81,000 2,50,000 5,75,756 7,46,040 8,07,570 35,48, ox ordinated in the Forecast , 3,21,544 1,84,066 5,12,012 1,93,248 5,757 7,507 7,90,224 6,85,787 32,63,   | COST OF FIFED SURVEY OFERS-                | :   |          | ,                   | 42,523              | ;                          | 85,072              | 1,12,157                 | 1,82, 089             | 95.967             | 5,48,890             | :   | 5,48,890                |
| OF SETTLEMENT Total to date  |  | Cost per square mile re-meas                        |          | 13                  | :                   | :                          | 19                  | 185                      | 152                   | 480                | 143                  | Ē   | 143                     |
| ON ORDINARY Total to date 3,34,398 2,39,626 5,07,277 1,96,156 3,74,739 3,11,504 95,967 95,067 ON ORDINARY Now estimated for the whole opera- , 3,34,398 2,54,000 5,81,000 2,50,000 5,75,756 7,46,040 8,07,570 As estimated in the Forecast , 3,21,544 1,84,966 5,12,012 1,93,248 5,75,756 7,90,224 6,85,787  |  | ;   |          | 31,082              | 59,852              | 1,34,053                   | 85,072              | 1,42,354                 | 1,92,089              | 95,967             | 7,30,469             | 780'16                                    | 8,24,506                |
| PERFORMANCE   Now estimated for the whole opera-   3,34,398   2,54,600   5,81,600   2,50,600   5,75,756   7,46,040   8,07,570   N.P.   As estimated in the Forecast   3,21,544   1,84,066   5,12,012   1,93,248   5,75,756   7,90,224   6,85,787   |  | :   |          | 3,31,398            | 2,39,626            | 5,07,277                   | 1,96,156            | 3,74,739                 | 3,11,504              | 496,36             | 20,59,667            | 6,99,051                                  | 27,58,718               |
| tions of settlement. As estimated in the Forecast ,, 3,21,544 1,84,936 5,12,012 1,93,248 5,75,756 7,80,224 6,85,787  | 1-E1-E7                                    | Now estimated for the whole                         |          | 3,34,398            | 2,54,000            | 5,81,000                   | 2,50,000            | 5,75,756                 | 7,46,040              | 8,07,570           | 35,48,764            | 7,46,951                                  | 42,95,715               |
|  | DISTRICT SLAFF,                            | Clous of Settlement. As estimated in the Fo Report. | recast " | 3,21,544            | 1,84,966            | 5,12,012                   | 1,93,248            | 5,75,756                 | 7,90,224              | 6,85,787           | 32,63,537            | 2,96,676                                  | 85,6 ,213               |



Charles Information States Inch Later 4-12 ..